IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625

SEPTIC IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

4627.50-7051

PERMIT # 24181 4

PIN # ~~4626016464~~

APPLICANT/OWNER: Jasper Builders APPLICANT ADDRESS: 181 W. Statesville Ave Mooresville, NC 28115

SITE ADDRESS: 215 Grasshopper Cir Mooresville, NC 28117 PHONE: 7047999982 ALT. PHONE Sean 7042014980

SITE DIRECTIONS: Brawley School Rd TR McKendree TR Grasshopper stay left at fork @ Rhinehill

SAP CONTROLLED: NA ☐ YES ☐ NO

SUBDIVISION: Cla Tj SECTION: 8 LOT # 424 LOT AREA: .81 Acre DESIGN FLOW: 360 gpd L.T.A.R.: Exist.

Septic Tank	Exist.	(gal)	STB	Date	☐ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms	3	Water Supply
Pump Tank		(gal)	PT	Date	System Description:	Existing Gravity Gravel Bed			☐ Business	No. Persons	10	☒ Private Exist.
Pump Make		Model		Serial #	Repair System Description:	Exempt			☐ Other	No. Employees		☐ Public
# Nitrification Fields		# Lines	Existing	Linear Ft:	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☐ Crawl Space		☐ Community
Trench Width		Trench Bottom Depth(Low side)		Gravel Depth		☒ GRAVITY	☐ PRESSURE		☒ Basement w/ plumbing		☐ Basement w/o plumbing	

Comments / Conditions: * Due to age of Septic System, Septic Tank must be inspected and determined if it is "Structurally Sound" prior to reuse for new house.

INITIAL SITE SKETCH

See attached, approved Site plan Submitted by Michael Athanas & Assoc. (dated 3/5/19)

AS BUILT SKETCH

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

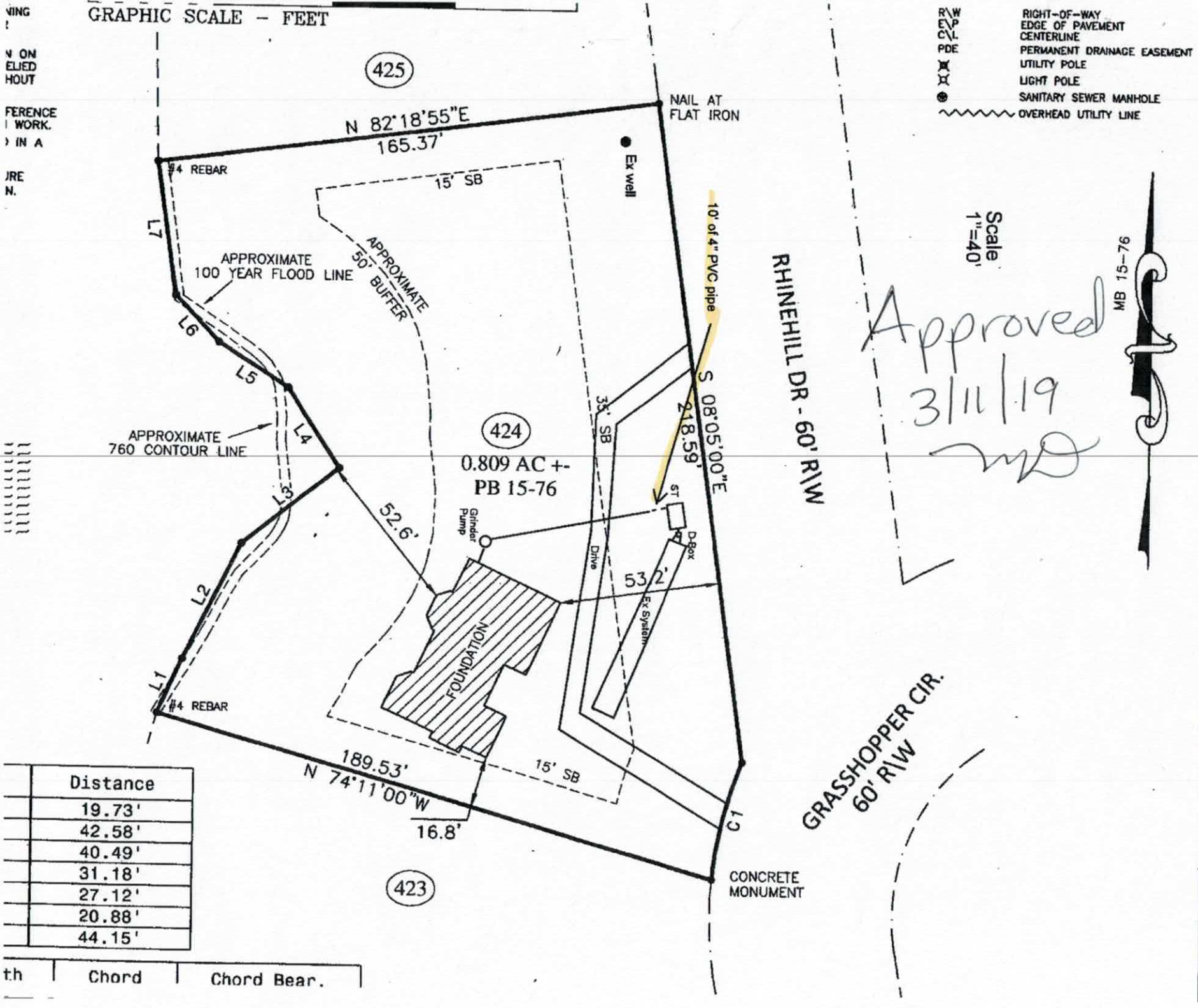
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Jerri Cox Date: 3-11-19 Installed by:

IMPROVEMENT PERMIT by: Maria Dotson Date: 3/11/19 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Maria Dotson Date: 3/11/19 Existing System Inspected by: Maria Dotson Date: 3/11/19

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inpsector to confirm your inspection time.



	Distance
	19.73'
	42.58'
	40.49'
	31.18'
	27.12'
	20.88'
	44.15'

th	Chord	Chord Bear.

#255811 pd. $105.00

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(✓) Septic Improvement Permit (✓) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED. APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS.

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted: (✓) Survey Plat, scaled no more than 1 inch = 60 feet
Place an (X) beside whichever is submitted if applicable ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: (PRINT CLEARLY)

Applicant Name: Charles Sikes Address: 215 Grasshopper Cir Mooresville NC Zip: 28117

Applicant Email: _____ Phone: Sean - 704-201-4980 Alt. Phone: _____

Owner Name: Same Address: _____ Zip: _____

Owner Email: _____ Phone: _____ Alt. Phone: _____

Property Information:

Street Address: 215 Grasshopper

Subdivision Name: _____ Section/Phase: _____ Lot Number: _____

Driving Directions: _____

Site Development Information: *(check or complete ALL that apply*

(✓) New Single Family Residence Maximum Number of Bedrooms: 3
( ) New Multi-Family Residence Maximum Number of Occupants: _____
( ) Accessory Building ( ) Swimming Pool
( ) Bedroom(s) Addition ( ) Other Addition/Structure: _____
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem: _____
Non-Residential Site Development: Type of Business: _____
Square Footage of Building: _____ Max. Number of Employees: _____ Max. Number of Seats/Beds/Other: _____

CHECK FOUNDATION TYPE

( ) Crawl Space Foundation
( ) Concrete Slab Foundation
(✓) Basement with Plumbing
( ) Basement without Plumbing

Water Supply: ( ) Replacement Well – Reason: _____
( ) Multi-connection Well Number of Houses: _____ Number of Persons: _____

( ) New Well (X) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

Desired Septic System Type: *(you may rank in order of preference)* Year existing system installed: _____
( ) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other: _____

Please answer the following to the best of your ability:

( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (✓) No Is the site subject to approval by any other public agency?

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

Signature: _____ 3/5/2019
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative:

Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship

In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:

Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form.

If there are multiple property owners, then all property owners must sign the form that designates a legal representative.

By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

I, Charles Sikes, am the legal owner(s) of the property located at 215 Grasshopper Cr., Mooresville, NC 28117, identified as PIN (Parcel Identification Number) 4627507051, located in Iredell County, North Carolina.

I do hereby authorize **(print legal representative/company name)** Michael Athanas & Associates Sean Gallagher, Jasper Builders, Inc., to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division.

Charles Sikes — Signature of Owner(s)
3-4-19 — Date
Terri Crawley — Signature of Witness
3/4/19 — Date

Please return this signed form to the appropriate office:

Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

235871 Thurs 6/28 waiting for Survey

IREDELL COUNTY HEALTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION*

(THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED - APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS)

1. APPLICATION FOR: X **Improvement Permit** ___ **Authorization To Construct** ___ **Existing System Inspection**

2. Page 2: *Site Plan Worksheet* Form MUST Accompany This Application
The following optional attachments may also be submitted: ___ **Survey Plat, Scaled no more than 1 Inch = 60 Feet**
Place check ( ) beside whichever is submitted if applicable ___ **Custom Site Plan, Scaled no more than 1 Inch = 60 Feet**

3. Applicant Information:

Applicant Name	Mailing Address	Home Phone #	Alternate Phone #
Jasper Builders, Inc.	181 W. Statesville Ave., Mooresville 28115	704-799-9982	746 4531
Owner Name	Mailing Address	Home Phone #	Alternate Phone #
Charles Sikes	120 Johnson St., Broadway, NC 27505		919-721-5700

4. Property Information:

Street Address	Subdivision Name	Section/Phase and Lot Number
103 Rhinehill Dr., Mooresville 28117	NA	

Driving Directions: Brawley School Rd, RIGHT on McKendree, RIGHT on Grasshopper, stay left at BOTH forks in road, at second fork stay LEFT on Rhinehill, lot is on left

5. RESIDENTIAL Site Development Information: *(Check or Complete ALL that apply)*

(x) New, Single Family Residence
( ) New, Multi-Family Residence
( ) Expansion of Existing Septic System
( ) Repair To Failing Septic System due to _____
(x) Other Using EXISTING septic system but moving and replacing tank

Maximum Number of Bedrooms 3
Maximum Number of Occupants ___
If Expansion, Current Number of Bedrooms ___

( ) Crawl Space Foundation?
( ) Concrete Slab Foundation?
(x) Basement w/Plumbing?
( ) Basement w/out Plumbing?

IF Non- Residential Site Development: Type of Business _____
Square Footage of Building _____
Maximum Number of Employees _____
Maximum Number of Seats _____

6. Proposed Water Supply:

( ) New Well ( ) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

7. Desired Septic System Type: *(You may rank in order of preference, if any)* (x) **EXISTING SYSTEM installed** 1981 *Year*

( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other_____

8. Please Answer The Following ( ) Yes (x) No Does the site contain any jurisdictional wetlands?
To The Best of Your Ability: ( ) Yes (x) No Is any non-domestic sewage (i.e. industry) to be generated?
( ) Yes (x) No Is the site subject to approval by any other public agency?

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

9. Signature: Terri Crawley — 5/23/18

Property owner or owner's legal representative signature (SIGNATURE REQUIRED) — DATE

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative:

Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship

In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:

Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form.

If there are multiple property owners, then all property owners must sign the form that designates a legal representative.

By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

I, Charles Sikes, am the legal owner(s) of the property located at 103 Rhinehill Dr., Mooresville, NC 28117, identified as PIN (Parcel Identification Number) _____, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Jasper Builders, Inc., _____, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division.

Charles Sikes Donna S. Sikes 5-21-18 — Signature of Owner(s) — Date

Terri Crawley 5-21-18 — Signature of Witness — Date

Please return this signed form to the appropriate office:

Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

IREDELL COUNTY HEALTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION*:

SITE PLAN WORKSHEET

SEE THE "SAMPLE SITE PLAN" BELOW. ***INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!***

Place an (X) beside each item as you complete the site plan:

__x__ **Property Line measurements are clearly identified…** __x__ **All proposed structures are indicated…**

SHOW: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

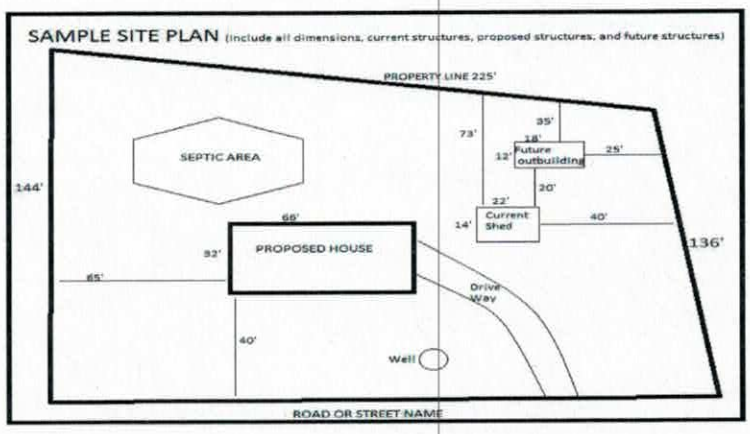
__x__ **Front and side setbacks from property line…** __x__ **Preferred driveway location and configuration, preferred well location…**

__N/A__ **Area you prefer your septic system to be placed…** __x__ **North arrow, or other sufficient indicator of direction…**

Circle N/A on the following if appropriate:

__x__ **Location of septic systems and wells within 100' of your property… N/A**

__X__ **Location of easements and rights of ways on your property… N/A** __X__ **Location of any designated wetlands on the property… N/A**



USE THIS SPACE TO DRAW YOUR SITE PLAN

See Attached

Signature: Terri Crawley

REQUIRED **property owner or owner's legal representative signature.**

5/23/18

DATE

DAS DON ALLEN & ASSOCIATES, P.A.
"Since 1971"
Commercial * Residential * Mortgage Surveys * Multi-Family
Construction Staking * Subdivision Design * Topographical
131 Crosslake Park Drive – Suite 102 * Mooresville * NC * 28117
(704) 664-7029 (704) 664-8041 Fax

I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book 2370, page 671, and/or plat book 15, page 76, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C.

my hand and seal on the 11, day of JULY,
A.D. 20 18.

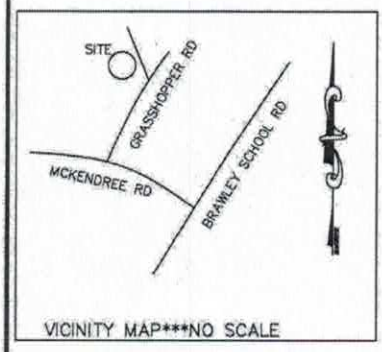
WILLIAM M. ALLEN, PLS

NORTH CAROLINA PROFESSIONAL SEAL L-3499 LAND SURVEYOR WILLIAM M. ALLEN

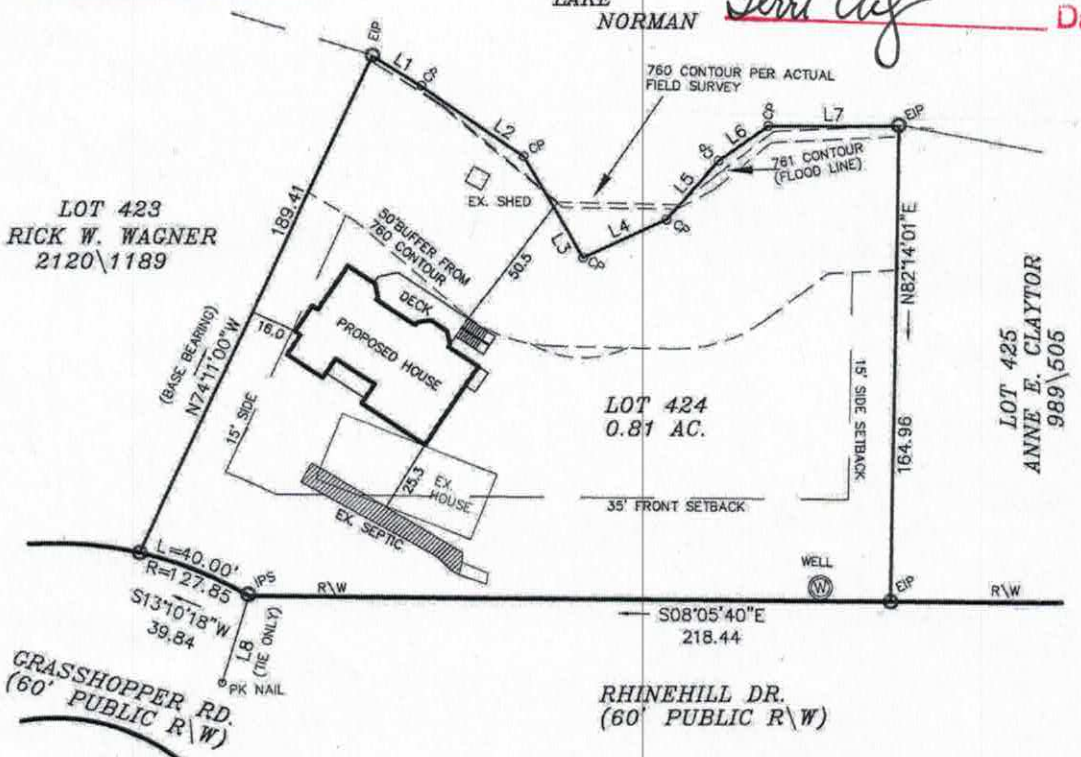
Acknowledgement of Plans Submittal ONLY!

Date 7/18/18

Date 7-18-18







LEGEND

- P.P. = POWER POLE
- □ = POWER TRANS.
- E.I.P. = EXISTING IRON FOUND
- I.P.S. = #4 REBAR SET
- R/W = RIGHT-OF-WAY
- Ⓦ = WELL
- CP = COMPUTED POINT

LINE TABLE		
LINE	BEARING	LENGTH
L1	N 23°50'00" E	19.73'
L2	N 26°04'00" E	42.58'
L3	N 51°08'00" E	40.49'
L4	N 33°18'00" W	31.18'
L5	N 57°32'00" W	27.12'
L6	N 44°23'00" W	20.74'
L7	N 08°31'15" W	44.48'
L8	S 81°56'10" E	31.23'

NOTES

1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENT AND/OR RIGHTS-OF-WAY OF RECORD.
2) AREA COMPUTED BY THE COORDINATE METHOD.
3) EXISTING 760' & 761' CONTOUR ELEVATION BASED ON LAKE NORMAN LAKE LEVEL AT COWAN'S FORD DAM (READING ON 7\06\2018
4) UNDERGROUND POWER
5) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

0' 25' 50' 100'
SCALE IN FEET

SCALE 1" = 50'

ACQUIRED BY:

PLOT PLAN SURVEY

OF
103 RHINEHILL DR.
LOT 424 CRESCENT LAND & TIMBER CORP. SECT. 8
DAVIDSON TWSP., IREDELL CO., N.C.
CHARLES V. SIKES JR. & DONNA S. SIKES

FIELD BOOK: 502-C
FILE: CLT 424 SB
DC FILE:
TAX MAP NO: 4627507051

Acknowledgement of
Plans Submittal ONLY!

Maria Dotson Date 7/18/18

Terri Craig Date 7-18-18

WALL TYPES

WALL 1 - STONE & SIDING 9'-0"
STONE / SIDING
TYVEK HOUSE WRAP OR EQUAL
1/2" PLYWOOD
2 1/2" STUDS @ 16" O.C.
R-19 BATT INSULATION
1/2" DRYWALL

WALL 2 - EXTERIOR PARTITION 9'-0"
VINYL SIDING
TYVEK HOUSE WRAP OR EQUAL
1/2" PLYWOOD SHEATHING OR EQUAL
2 1/2" WOOD STUDS @ 16" O.C.
R-19 BATT INSULATION
1/2" DRYWALL

WALL 3 - INTERIOR PARTITION HGHT. VARIES
1/2" DRYWALL
2 1/2" WOOD STUDS @ 16" O.C.
R-19 BATT INSULATION
1/2" DRYWALL

WALL 4 - INTERIOR PARTITION 9'-0"
1/2" DRYWALL
2 1/2" WOOD STUDS @ 16" O.C.
R-13 BATT INSULATION
1/2" DRYWALL

WALL 5 - INTERIOR PARTITION 10'-0"
1/2" DRYWALL
2 1/2" WOOD STUDS @ 16" O.C.
R-19 BATT INSULATION
1/2" MOISTURE RESISTANT DRYWALL

WALL 6 - EXTERIOR PARTITION 11'-6"
VINYL SIDING
TYVEK HOUSE WRAP OR EQUAL
1/2" PLYWOOD SHEATHING OR EQUAL
2 1/2" WOOD STUDS @ 16" O.C.
R-19 BATT INSULATION
1/2" DRYWALL

WALL 7 - EXTERIOR PARTITION 10'-9"
VINYL SIDING
TYVEK HOUSE WRAP OR EQUAL
1/2" PLYWOOD SHEATHING OR EQUAL
2 1/2" WOOD STUDS @ 16" O.C.
R-19 BATT INSULATION
1/2" DRYWALL

ROOM FINISH SCHEDULE

ROOM #	AREA NAME	FLOOR	BASE	WALLS	CEILING MATERIAL	CEILING HEIGHT	REMARKS
100	MASTER SUITE	WOOD	2" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL, PAINTED	9'-0"	
101	MASTER BATH	CERAMIC TILE	6" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL, PAINTED	9'-0"	SHOWER TO BE CERAMIC TILE FULL HEIGHT
102	MASTER CLOSET	WOOD	2" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL, PAINTED	9'-0"	SHELVING ON ALL WALLS
103	GREAT ROOM	WOOD	2" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL, PAINTED	10'-2" TO 9'-0"	SLOPED CEILING
104	EATING AREA	WOOD	2" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL, PAINTED	9'-0" TO 10'-2"	SLOPED CEILING
105	KITCHEN	WOOD	2" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL, PAINTED	9'-0" TO 10'-2"	SLOPED CEILING
106	LAUNDRY ROOM	CERAMIC TILE	6" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL, PAINTED	9'-0"	MOISTURE RESISTANT DRYWALL
107	HALLWAY	WOOD	2" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL, PAINTED	9'-0"	
108	BEDROOM #2	WOOD	2" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL, PAINTED	9'-0"	
109	BATH #2	CERAMIC TILE	6" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL, PAINTED	9'-0"	SHOWER TO BE CERAMIC TILE FULL HEIGHT
110	BEDROOM #3	WOOD	2" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL, PAINTED	9'-0"	
111	BEDROOM #4	WOOD	2" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL, PAINTED	9'-0"	MOISTURE RESISTANT DRYWALL
B-100	GARAGE	CONCRETE	-	UNFINISHED	UNFINISHED	10'-0"	
B-101	HOBBY ROOM	CONCRETE	4" WOOD	UNFINISHED	UNFINISHED	10'-9"	
B-102	BATH #5	VINYL TILE	3" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL, PAINTED	9'-0"	MOISTURE RESISTANT DRYWALL
B-103	STAIRWELL	WOOD	6" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL, PAINTED	9'-0" TO 9'-9"	5/8" TYPE X DRYWALL

DOOR SCHEDULE

NO.	SIZE W	SIZE H	SIZE T	DESCRIPTION MATERIAL	DESCRIPTION FINISH	FRAME	THRESHOLD	WEATHERSTRIPPING GROUP	HARDWARE SIDE / FINISH	NOTES
1	3'-0"	6'-8"	1 3/4"	WOOD	SIM.	1 1/2" x 5 1/2" WD.	ALUMINUM	1-1-10	STAIN / PAINT	SPECIAL ENTRY DOOR WITH SIDE LITES
2	3'-0"	6'-8"	1 3/4"	ALUM / GLASS / WOOD	S.F.	1 1/2" x 5 1/2" WD.	ALUMINUM	5-1-10	ALUMINUM / PAINT	FULL TEMPERED GLASS STOREFRONT
3	3'-0"	6'-8"	1 3/4"	ALUM / GLASS / WOOD	S.F.	1 1/2" x 5 1/2" WD.	ALUMINUM	5-1-10	ALUMINUM / PAINT	FULL TEMPERED GLASS STOREFRONT
4	2'-6"	6'-8"	1 3/8"	WOOD	RO	3/4" x 5 5/8" WD.	-	6-8	PAINT / PAINT	COLONIAL PANEL
5	2'-6"	6'-8"	1 3/8"	WOOD	S.R.	3/4" x 4 5/8" WD.	-	6-8	PAINT / PAINT	PANEL LOUVER
6	2'-3 1/2"	6'-8"	1 3/8"	WOOD / GLASS	1/4 LITE	3/4" x 4 5/8" WD.	-	6-8-7-8	PAINT / PAINT	SELLOS FRENCH
7	2'-6"	6'-8"	1 3/8"	WOOD	RO	3/4" x 4 5/8" WD.	-	6-8	PAINT / PAINT	COLONIAL PANEL
8	2'-6"	6'-8"	1 3/8"	WOOD	BIFOLD	3/4" x 4 5/8" WD.	-	6	PAINT / PAINT	COLONIAL 2 CR BIFOLD
9	2'-6"	6'-8"	1 3/8"	WOOD	LH	3/4" x 4 5/8" WD.	WOOD/ASSIST	5-3	PAINT / PAINT	COLONIAL PANEL
10	6'-0"	6'-8"	1 1/4"	WOOD	BIFOLD	3/4" x 4 5/8" WD.	-	6-8	PAINT / PAINT	FULL LOUVER 4 DR BIFOLD
11	2'-6"	6'-8"	1 3/8"	WOOD	RO	3/4" x 4 5/8" WD.	-	6-8	PAINT / PAINT	COLONIAL PANEL
12	6'-0"	6'-8"	1 1/4"	WOOD	BIFOLD	3/4" x 4 5/8" WD.	-	6-8	PAINT / PAINT	FULL LOUVER 4 DR BIFOLD
13	2'-6"	6'-8"	1 3/8"	WOOD	LO	3/4" x 4 5/8" WD.	-	6-8	PAINT / PAINT	COLONIAL PANEL
14	2'-6"	6'-8"	1 3/8"	WOOD	LO	3/4" x 4 5/8" WD.	-	6-8	PAINT / PAINT	COLONIAL PANEL
15	6'-0"	6'-8"	1 1/4"	WOOD	BIFOLD	3/4" x 4 5/8" WD.	-	6-8	PAINT / PAINT	FULL LOUVER 4 DR BIFOLD
16	3'-0"	6'-8"	1 3/4"	WOOD	S.R.	1 1/2" x 5 1/2" WD.	ALUMINUM	5-3-9-10	PAINT / PAINT	COLONIAL PANEL
17	3'-0"	6'-8"	1 3/4"	ALUM / GLASS / WOOD	1/4 LITE	1 1/2" x 5 1/2" WD.	ALUMINUM	5-1-7-10	ALUMINUM / PAINT	FULL TEMPERED GLASS STOREFRONT
18	2'-6"	6'-8"	1 3/8"	WOOD	S.R.	3/4" x 4 5/8" WD.	-	6-8	PAINT / PAINT	COLONIAL PANEL
19	2'-6"	6'-8"	1 3/8"	WOOD	RO	3/4" x 4 5/8" WD.	-	6-8	PAINT / PAINT	COLONIAL PANEL

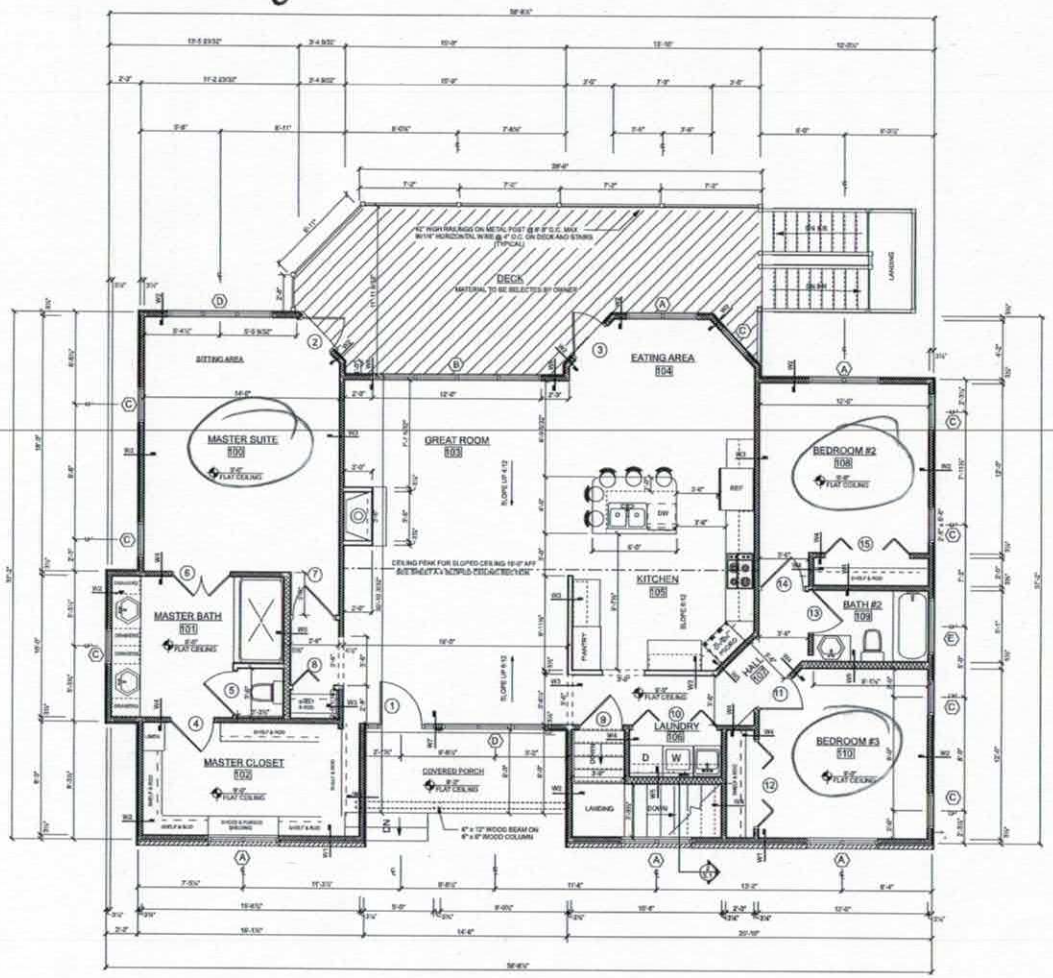
WINDOW SCHEDULE

MARK	SIZE	TYPE	DESCRIPTION	HEADER HGHT.	NOTES
A	5'-0" x 5'-0"	FIXED GLASS TOP W / AWNING BOTTOM	ALUMINUM CLAD EXTERIOR & PRIMED FOR PAINT INTERIOR	10'-0"	3'-0" x 3'-0" TRANSOM ABOVE EACH WINDOW
B	4'-0" x 5'-0"	FIXED GLASS TOP W / AWNING BOTTOM	ALUMINUM CLAD EXTERIOR & PRIMED FOR PAINT INTERIOR	9'-0"	JELD-WEN BUILDER SERIES OR EQUAL
C	2'-0" x 5'-0"	FIXED GLASS TOP W / AWNING BOTTOM	ALUMINUM CLAD EXTERIOR & PRIMED FOR PAINT INTERIOR	9'-0"	JELD-WEN BUILDER SERIES OR EQUAL
D	5'-0" x 5'-0"	FIXED GLASS TOP W / AWNING BOTTOM	ALUMINUM CLAD EXTERIOR & PRIMED FOR PAINT INTERIOR	9'-0"	JELD-WEN SUN DOOR SERIES OR EQUAL

NOTE: ALL GLASS TO BE DOUBLE INSULATED LOW-E

HARDWARE SCHEDULE

NO.	DESCRIPTION	MFG. - MODEL	FINISH
1	SPECIAL ENTRY LOCK	SCHLAGE OR EQUAL	BRUSHED NICKEL
2	KEY ENTRY LEVER LOCK	SCHLAGE OR EQUAL	BRUSHED NICKEL
3	DEADBOLT - KEY ONE SIDE	SCHLAGE OR EQUAL	BRUSHED NICKEL
4	PRIVACY LEVER LOCK	SCHLAGE OR EQUAL	BRUSHED NICKEL
5	PASSAGE LEVER LOCK	SCHLAGE OR EQUAL	BRUSHED NICKEL
6	6" PULL HANDLES	SCHLAGE OR EQUAL	BRUSHED NICKEL
7	PUSH PLATES	SCHLAGE OR EQUAL	BRUSHED NICKEL
8	FLOOR MOUNT DOOR STOP	GRANT OR EQUAL	BRUSHED NICKEL
9	PIN MOUNT DOOR STOP	GRANT OR EQUAL	BRUSHED NICKEL
10	ALUMINUM THRESHOLD	GRANT OR EQUAL	BRUSHED NICKEL



MAIN FLOOR PLAN
SCALE 1/4" = 1'-0"

KCI Designs
Architectural Design
CAD Drafting - Consulting
202 Digh Circle - Mooresville N.C. 28117
704 - 363 - 8895
kcidesigns@bwc.com
A DIVISION OF KCI CONSTRUCTION INC.

NOTICE
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These Plans shall not be used or reproduced without express written consent of the Designer

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PROJECT

CUSTOM LAKE HOUSE
For
Chuck & Donna Sikes
103 Rhinehill Road
Mooresville, NC 28117

AREAS

HEATED LIVING AREA	-	1,890 SQ. FT.
WOOD DECK	-	309 SQ. FT.
FRONT PORCH	-	120 SQ. FT.

PROJECT #	1703
DATE	12.22.2017
SCALE	AS NOTED
DRAWN BY	TK
CHECKED BY	BK

REVISIONS

REV #	DATE	BY
1	5.17.2018	DC

MAIN LEVEL FLOOR PLAN
WALL TYPES
FINISH SCHEDULE
DOOR SCHEDULE
HARDWARE SCHEDULE
WINDOW SCHEDULE

Sheet: A.1

Acknowledgement of
Plans Submittal ONLY!

Date 7/18/18

Date 7-18-18

WALL TYPES

WALL 1 - POURED CONCRETE 10'-0"
EXTERIOR SPRAY MEMBRANE & DRAINBOARD
10" CONCRETE REINFORCED WALL
INTERIOR EXPOSED CONCRETE

WALL 2 - EXTERIOR PARTITION 10'-0"
VINYL SIDING OR STUCCO
TYVEK HOUSE WRAP OR EQUAL
1/2" PLYWOOD SHEATHING OR EQUAL
2 1/2" WOOD STUDS @ 16" O.C.
R-19 BATT INSULATION

WALL 3 - INTERIOR PARTITION 10'-0"
1/2" DRYWALL - REGULAR
2 1/2" WOOD STUDS @ 16" O.C.
R-13 BATT INSULATION
1/2" MOISTURE RESISTANT DRYWALL

WALL 4 - INTERIOR PARTITION 10'-0"
5/8" TYPE X DRYWALL
2 1/2" WOOD STUDS @ 16" O.C.
R-13 BATT INSULATION
5/8" TYPE-X DRYWALL

WALL 5 - INTERIOR PARTITION 10'-0"
5/8" TYPE X DRYWALL
2 1/2" WOOD STUDS @ 16" O.C.
R-19 BATT INSULATION
5/8" TYPE-X DRYWALL

ROOM FINISH SCHEDULE

ROOM #	FINISH NAME	FLOOR	BASE	WALLS	CEILINGS MATERIAL	CEILINGS HEIGHT	REMARKS
101	MASTER SUITE	WOOD	5" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL FINISTED	9' -0"	
102	MASTER BATH	CERAMIC TILE	5" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL FINISTED	9' -0"	SHOWER TO BE CERAMIC TILE FULL HEIGHT
103	MASTER CLOSET	WOOD	5" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL FINISTED	9' -0"	WITH SHELVING & RODS TYP.
104	GREAT ROOM	WOOD	5" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL FINISTED	10'-0" TO 12'-0"	SLOPED CEILING
105	DINING AREA	WOOD	5" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL FINISTED	9' -0" TO 12'-0"	SLOPED CEILING
106	KITCHEN	WOOD	5" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL FINISTED	9' -0" TO 12'-0"	SLOPED CEILING
107	LAUNDRY ROOM	CERAMIC TILE	5" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL FINISTED	9' -0"	MOISTURE RESISTANT DRYWALL
108	FOYER	WOOD	5" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL FINISTED	9' -0"	
109	BEDROOM #2	WOOD	5" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL FINISTED	9' -0"	SHOWER TO BE CERAMIC TILE FULL HEIGHT
110	BATH #2	CERAMIC TILE	5" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL FINISTED	9' -0"	MOISTURE RESISTANT DRYWALL
111	BEDROOM #3	WOOD	5" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL FINISTED	9' -0"	
B-100	GARAGE	CONCRETE	-	UNFINISHED	UNFINISHED	10' -0"	
B-101	HOBBY ROOM	CONCRETE	5" WOOD	UNFINISHED	UNFINISHED	10' -0"	
B-102	BATH #3	VINYL TILE	5" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL FINISTED	9' -0"	MOISTURE RESISTANT DRYWALL
B-103	STAIRWELL	WOOD	5" WOOD	DRYWALL & PAINT	SMOOTH DRYWALL FINISTED	21' -1 3/4"	5/8" TYPE X DRYWALL

DOOR SCHEDULE

NO.	SIZE W	SIZE H	SIZE T	DESCRIPTION MATERIAL	DESCRIPTION HAND*	FRAME	THRESHOLD	HARDWARE GROUP	FIRE RATED DOOR / FRAME	NOTES
1	3'-0"	8'-0"	1 3/4"	WOOD	LH	1 1/2" x 5 1/2" WD	ALUMINUM	1-1-10	STRAIN / PAINT	SPECIAL ENTRY DOOR WITH SIDE LITES
2	3'-0"	8'-0"	1 3/4"	ALUM / GLASS / WOOD	LH	1 1/2" x 5 1/2" WD	ALUMINUM	2-3-10	ALUMINUM / PAINT	FULL TEMPERED GLASS STOREFRONT
3	3'-0"	8'-0"	1 3/4"	ALUM / GLASS / WOOD	LH	1 1/2" x 5 1/2" WD	ALUMINUM	2-3-10	ALUMINUM / PAINT	FULL TEMPERED GLASS STOREFRONT
4	2'-0"	6'-8"	1 3/8"	WOOD	RH	3/4" x 4 5/8" WD	-	4-1-5	PAINT / PAINT	COLUMN, PANEL
5	2'-6"	6'-8"	1 3/8"	WOOD	LH	3/4" x 4 5/8" WD	-	4-1-5	PAINT / PAINT	PANEL LOUVER
6	1'-2 1/4"	6'-8"	1 3/8"	WOOD / GLASS	LH / RH	3/4" x 4 5/8" WD	-	4-5-1-9	PAINT / PAINT	15 LITE FRENCH
7	2'-0"	6'-8"	1 3/8"	WOOD	RH	3/4" x 4 5/8" WD	-	4-1-5	PAINT / PAINT	COLUMN, PANEL
8	2'-6"	6'-8"	1 3/8"	WOOD	BIFOLD	3/4" x 4 5/8" WD	-	5	PAINT / PAINT	COLUMN, 3 DR BIFOLD
9	3'-0"	6'-8"	1 3/8"	WOOD	LH	3/4" x 4 5/8" WD	WOODSHOPPER	7-3	PAINT / PAINT	COLUMN, PANEL
10	6'-0"	6'-8"	1 1/8"	WOOD	BIFOLD	3/4" x 4 5/8" WD	-	4-1-5	PAINT / PAINT	FULL LOUVER, 4 DR BIFOLD
11	3'-0"	6'-8"	1 3/8"	WOOD	RH	3/4" x 4 5/8" WD	-	4-1-5	PAINT / PAINT	COLUMN, PANEL
12	6'-0"	6'-8"	1 1/8"	WOOD	BIFOLD	3/4" x 4 5/8" WD	-	4-1-5	PAINT / PAINT	FULL LOUVER, 4 DR BIFOLD
13	2'-0"	6'-8"	1 3/8"	WOOD	LH	3/4" x 4 5/8" WD	-	4-1-5	PAINT / PAINT	COLUMN, PANEL
14	2'-0"	6'-8"	1 3/8"	WOOD	LH	3/4" x 4 5/8" WD	-	4-1-5	PAINT / PAINT	COLUMN, PANEL
15	6'-0"	6'-8"	1 1/8"	WOOD	BIFOLD	3/4" x 4 5/8" WD	-	4-1-5	PAINT / PAINT	FULL LOUVER, 4 DR BIFOLD
16	3'-0"	6'-8"	1 3/4"	WOOD	RH	1 1/2" x 5 1/2" WD	ALUMINUM	2-3-1-10	PAINT / PAINT	COLUMN, PANEL
17	3'-0"	6'-8"	1 3/4"	ALUM / GLASS / WOOD	LH/RH	1 1/2" x 5 1/2" WD	ALUMINUM	2-3-1-10	ALUMINUM / PAINT	FULL TEMPERED GLASS STOREFRONT
18	3'-0"	6'-8"	1 3/8"	WOOD	LH	3/4" x 4 5/8" WD	"	4-1-5	PAINT / PAINT	COLUMN, PANEL
19	3'-0"	6'-8"	1 3/8"	WOOD	RH	3/4" x 4 5/8" WD	"	4-1-5	PAINT / PAINT	COLUMN, PANEL

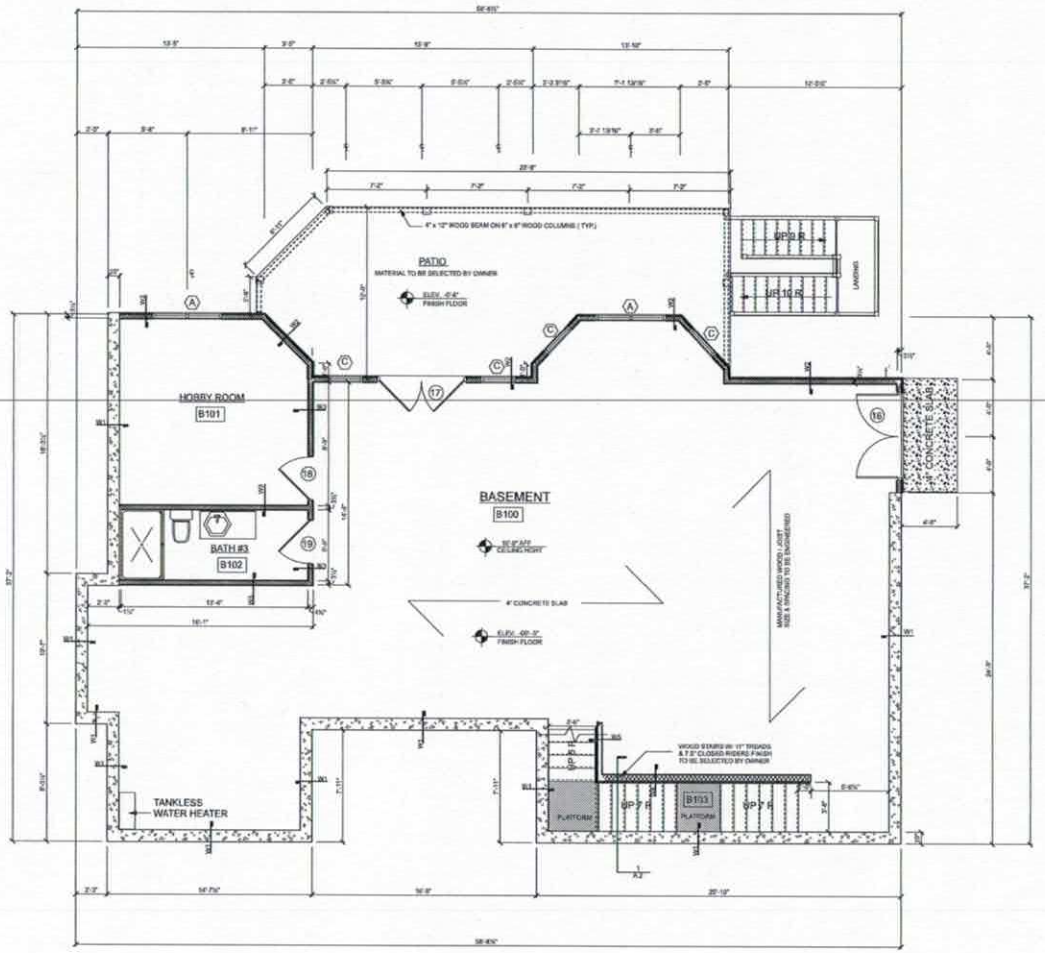
WINDOW SCHEDULE

MARK	SIZE	TYPE	DESCRIPTION	HEADER HEIGHT	NOTES
A	2'-0" x 3'-0"	FIXED GLASS TOP W / AWNING BOTTOM	ALUMINUM CLAD EXTERIOR & PRIMED FOR PAINT INTERIOR	10'-0"	3'-0" x 2'-0" TRANSOM ABOVE EACH WINDOW
B	4'-0" x 3'-0"	FIXED GLASS TOP W / AWNING BOTTOM	ALUMINUM CLAD EXTERIOR & PRIMED FOR PAINT INTERIOR	9'-0"	JELD-WEN / BUILDER SERIES OR EQUAL
C	2'-0" x 1'-6"	FIXED GLASS TOP W / AWNING BOTTOM	ALUMINUM CLAD EXTERIOR & PRIMED FOR PAINT INTERIOR	6'-0"	JELD-WEN / BUILDER SERIES OR EQUAL
D	3'-0" x 3'-0"	FIXED GLASS TOP W / AWNING BOTTOM	ALUMINUM CLAD EXTERIOR & PRIMED FOR PAINT INTERIOR	6'-0"	JELD-WEN / BUILDER SERIES OR EQUAL

NOTE: ALL GLASS TO BE DOUBLE INSULATED LOW E

HARDWARE SCHEDULE

NO.	DESCRIPTION	MFG. - MODEL	FINISH
1	SPECIAL ENTRY LOCK	SCHLAGE OR EQUAL	BRUSHED NICKEL
2	KEY ENTRY / PRIVACY LOCK	SCHLAGE OR EQUAL	BRUSHED NICKEL
3	DEADLOCK - KEY ONE SIDE	SCHLAGE OR EQUAL	BRUSHED NICKEL
4	PRIVACY LEVER LOCK	SCHLAGE OR EQUAL	BRUSHED NICKEL
5	PASSAGE LEVER LOCK	SCHLAGE OR EQUAL	BRUSHED NICKEL
6	4" PULL HANDLES	SCHLAGE OR EQUAL	BRUSHED NICKEL
7	FLUSH BOLTS	SCHLAGE OR EQUAL	BRUSHED NICKEL
8	FLOOR MOUNT DOOR STOP	IDEAL OR EQUAL	BRUSHED NICKEL
9	PIN MOUNT DOOR STOP	IDEAL OR EQUAL	BRUSHED NICKEL
10	ALUMINUM THRESHOLD	IDEAL OR EQUAL	BRUSHED NICKEL



BASEMENT FLOOR PLAN
SCALE 1/4" = 1'-0"

KCI Designs
Architectural Design
CAD Drafting - Consulting
202 Digh Circle - Mooresville N.C. 28117
704 - 383 - 6895
kcidesigns@twc.com
A DIVISION OF KINGLING CONSTRUCTION INC.

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PROJECT

CUSTOM LAKE HOUSE
For
Chuck & Donna Sikes
103 Rhinehill Drive
Mooresville, NC 28117

AREAS

HEATED LIVING AREA	- 1,890 SQ. FT.
WOOD DECK	- 399 SQ. FT.
FRONT PORCH	- 120 SQ. FT.

PROJECT #	1703
DATE	10.22.2017
SCALE	AS NOTED
DRAWN BY	TK
CHECKED BY	RK

REVISIONS

REV #	DATE	BY
1	5.11.2018	TK

BASEMENT FLOOR PLAN
WALL TYPES
FINISH SCHEDULE
DOOR SCHEDULE
HARDWARE SCHEDULE
WINDOW SCHEDULE
STAIRWELL SECTION

Sheet: A.2

IREDELL COUNTY

PO Box 788
349 North Center St.
Statesville, NC 28677

APPLICATION NUMBER
235871
Issue Date: 05/22/2018

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4627507051.000	103 RHINEHILL DRIVE, MOORESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: SIKES CHARLES V JR+DONNA M	Applicant: JASPER BUILDERS INC
Address: 120 JOHNSON STREET	Address: 181 W STATESVILLE AVE
MOORESVILLE, NC 27505	MOORESVILLE, NC 28115
Phone:	Phone: 704-799-9982

Use Requested	Zone Code
SFD	RR

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
.810	35.00	50.00	15.00	15.00	CACL	AE

Remarks:

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Applicant: _____ Date: _____

Permit Number	139792	TOTAL FEES:	$ 77.25